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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/662,431	09/13/2000	Newton James Smith JR.	AUS9000386US1	9056

35617 7590 02/27/2004

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EXAMINER

PHAM, TUAN

ART UNIT	PAPER NUMBER
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2643

DATE MAILED: 02/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

7

## Office Action Summary

Application No.

09/662,431

Applicant(s)

SMITH ET AL.

Examiner

TUAN A PHAM

Art Unit

2643

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 22 January 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1, 3-19, and 21- 22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 3-19, and 21-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 9.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

3. Claims 1, and 3-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaffer et al. (U.S. Patent No. 6,373,940, hereinafter, "Shaffer") in view of Quinn (U.S. Patent No. 6,360,222).

Regarding claim 1, Shaffer teaches an electronic communication device (see figure 1, telephone 70)(i.e., telephone) adapted to update a directory entry upon receipt of an electronic notification (i.e., telephone)(see figure 1, telephone 50, col.2, ln.20-37).

It should be noticed that Shaffer fails to clearly teach an identifier, a category, and an altered value (i.e., name, telephone number, and address). However, Quinn teaches such features (see col.7, ln.15-37, col.8, ln.1-47) for a purpose of organizing information in telephone directory.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the use of an identifier, a category, and an altered value (i.e., name, telephone number, and address), as taught by Quinn, into view of Shaffer in order to automatically store a desired information as received from a directory service.

Regarding claim 3, Quinn further teaches the electronic communications device wherein the altered value comprises a name, a telephone number, a mailing address or an email address (see col.7, ln.15-37, col.8, ln.1-47)

Regarding claim 4, Sharffer further teaches the electronic communications device comprises a telephone (see figure 1, telephone 50, see col.2, ln.1-2).

Regarding claim 5, Shaffer further teaches the electronic communication device comprises a facsimile machine (see figure 2, fax 100).

Regarding claim 6, Schuster further teaches the electronic communications device wherein the electronic communications device comprises a personal digital assistant. It is obvious to use PDA as electronic communication devices.

Regarding claim 7, Quinn further teaches the electronic communications device wherein the electronic communications device comprises: a CPU, and a storage medium comprising a data structure wherein the data structure comprises fields

adapted for storage of entry content values and an entry identifier associated with each directory entry, and wherein the category heading is associated with the electronic notification corresponds to one or more headings of the fields (see figure 2, processor 220, data storage 250, col.4, ln.39-61, col.8, ln.1-47).

Regarding claim 8, Quinn further teaches the electronic communications device wherein the entry content values comprise a name, a telephone number, a mailing address or an email address (see col.7, ln.15-37).

Regarding claim 9, Quinn further teaches the electronic communications device wherein the storage medium comprises a directory management program, wherein the directory management program comprises program instructions executable by the processor for receiving the electronic notification (see col.9, ln.50-67, col.10, ln.1-3).

Regarding claim 10, Quinn further teaches the electronic communications device wherein the directory management program further comprises program instructions executable by the processor for presenting a permission prompt to the user of the electronic communications device (see col.9, ln.30-67).

Regarding claim 11, Quinn further teaches the electronic communications device wherein the presenting comprises displaying on an output mechanism of the electronic communications device (see figure display 260, col.4, ln.55-61).

Regarding claim 12, Shaffer further teaches the electronic communications device wherein the presenting comprises providing audible output (see figure 1, telephone 50).

Regarding claim 13, Shaffer further teaches the electronic communications device wherein the directory management program further comprises program instructions executable by the processor for receiving a confirmation indicator to accept the received electronic notification (see col.3, ln.1-24).

Regarding claim 14, Shaffer further teaches the electronic communications device wherein the directory management program further comprises program instructions executable by the processor for receiving a reject command to reject the received electronic notification (see col.1, ln.45-65).

Regarding claim 15, Shaffer further teaches the electronic communications device wherein the receiving comprises receiving a vocal input (see figure 1, telephone 50, col.1, ln.55-65).

Regarding claim 16, Shaffer further teaches the electronic communications device wherein the receiving comprises receiving a dual tone multi-frequency (DTMF) tone (i.e., manually update)(see col.4, ln.10-30).

Regarding claim 17, Shaffer further teaches the electronic communications device wherein the directory management program comprises program instructions executable by the processor for comparing the entry identifier corresponding to the directory entry with the identifier of the electronic notification (see col.3, ln.1-24).

Regarding claim 18, Quinn further teaches the electronic communications device wherein the directory management program comprises program instructions executable by the processor for comparing the headings of the fields corresponding to the data structure of the directory with the category heading of the electronic notification upon

matching the entry identifier of the directory entry with the identifier of the electronic notification (see col.4, ln.29-50).

Regarding claim 19, Quinn further teaches the electronic communications device wherein the directory management program comprises program instructions executable by the processor for replacing one or more entry content values corresponding to the directory entry with the altered value upon matching one or more headings of the fields with the category heading of the electronic notification (see col.4, ln.29-50).

4. Claims 21-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Quinn (U.S. Patent No. 6,360,222) in view of Shaffer et al. (U.S. Patent No. 6,373,940, hereinafter, "Shaffer").

Regarding claims 21 and 22, Quinn teaches an electronic notification comprising: searching entirety of directory entries to match an identifier of the electronic notification with a matching entry identifier associated with the directory entry (see col.9, ln.30-56),

matching a field heading associated with the data structure of the directory entry with a category heading of the electronic notification (see col.8, ln.1-45), and

updating one or more entry content values with the altered value, wherein the entry content values correspond to a field associated with the matching entry identifier and field heading of the directory entry (col.5, ln.41-58).

It should be noticed that Quinn fails to clearly teach a receiving the electronic notification indicating that at least a portion of the directory entry has changed to an

altered value. However, Shaffer teaches such features (see col.1, ln.39-65) for a purpose of updating the information in the telephone directory.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the use of the electronic notification indicating that at least a portion of the directory entry has changed to an altered value, as taught by Shaffer, into view of Quinn in order to automatically store and update the record of the telephone directory.

## **SECOND OFFICE ACTION REJECTION**

5. Claims 1, and 3-19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shaffer et al. (U.S. Patent No. 6,373,940, hereinafter "Shaffer") in view of Brandon (U.S. Patent No. 5,903,632).

Regarding claim 1, Shaffer teaches an electronic communication device (see figure 1, telephone 70)(i.e., telephone) adapted to update a directory entry upon receipt of an electronic notification (i.e., telephone)(see figure 1, telephone 50, col.2, ln.20-37).

It should be noticed that Shaffer fails to clearly teach an identifier, a category, and an altered value (i.e., name, telephone number, and address). However, Brandon teaches such features (see col.4, ln.35-67) for a purpose of organizing information in telephone directory.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the use of an identifier, a category, and an



altered value (i.e., name, telephone number, and address), as taught by Brandon, into view of Shaffer in order to automatically store a desired information as received from a directory service.

Regarding claim 3, Brandon further teaches the electronic communications device wherein the altered value comprises a name, a telephone number, a mailing address or an email address (see col.4, ln.35-67).

Regarding claim 4, Shaffer further teaches the electronic communications device comprises a telephone (see figure 1, telephone 50, see col.2, ln.1-2).

Regarding claim 5, Shaffer further teaches the electronic communication device comprises a facsimile machine (see figure 2, fax 100).

Regarding claim 6, Shaffer further teaches the electronic communications device wherein the electronic communications device comprises a personal digital assistant. It is obvious to use PDA as electronic communication devices (see col.1, ln.10-15).

Regarding claim 7, Brandon further teaches the electronic communications device wherein the electronic communications device comprises: a CPU, and a storage medium comprising a data structure wherein the data structure comprises fields adapted for storage of entry content values and an entry identifier associated with each directory entry, and wherein the category heading is associated with the electronic notification corresponds to one or more headings of the fields (see figure 1, CPU 13, col.3, ln.1-39).

Regarding claim 8, Brandon further teaches the electronic communications device wherein the entry content values comprise a name, a telephone number, a mailing address or an email address (see col.4, ln.40-54).

Regarding claim 9, Brandon further teaches the electronic communications device wherein the storage medium comprises a directory management program, wherein the directory management program comprises program instructions executable by the processor for receiving the electronic notification (see figure 2, program ROM 37, col.3, ln.35-39).

Regarding claim 10, Brandon further teaches the electronic communications device wherein the directory management program further comprises program instructions executable by the processor for presenting a permission prompt to the user of the electronic communications device (see figure 2, program ROM 37, col.3, ln.35-39).

Regarding claim 11, Brandon further teaches the electronic communications device wherein the presenting comprises displaying on an output mechanism of the electronic communications device (see col.1, ln.50-67).

Regarding claim 12, Brandon further teaches the electronic communications device wherein the presenting comprises providing audible output (see col.4, ln.25-32).

Regarding claim 13, Shaffer further teaches the electronic communications device wherein the directory management program further comprises program instructions executable by the processor for receiving a confirmation indicator to accept the received electronic notification (see col.3, ln.1-24).

Regarding claim 14, Shaffer further teaches the electronic communications device wherein the directory management program further comprises program instructions executable by the processor for receiving a reject command to reject the received electronic notification (see col.3, ln.1-24).

Regarding claim 15, Shaffer further teaches the electronic communications device wherein the receiving comprises receiving a vocal input (see figure 1, telephone 50).

Regarding claim 16, Brandon further teaches the electronic communications device wherein the receiving comprises receiving a dual tone multi-frequency (DTMF) tone (i.e., manually update)(see col.2, ln.55-60).

Regarding claim 17, Shaffer further teaches the electronic communications device wherein the directory management program comprises program instructions executable by the processor for comparing the entry identifier corresponding to the directory entry with the identifier of the electronic notification (see col.3, ln.1-24).

Regarding claim 18, Shaffer further teaches the electronic communications device wherein the directory management program comprises program instructions executable by the processor for comparing the headings of the fields corresponding to the data structure of the directory with the category heading of the electronic notification upon matching the entry identifier of the directory entry with the identifier of the electronic notification (see col.3, ln.20-34).

Regarding claim 19, Brandon further teaches the electronic communications device wherein the directory management program comprises program instructions

executable by the processor for replacing one or more entry content values corresponding to the directory entry with the altered value upon matching one or more headings of the fields with the category heading of the electronic notification (see col.3, ln.20-34).

6. Claims 21-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Quinn (U.S. Patent No. 6,360,222) in view of Shaffer et al. (U.S. Patent No. 6,373,940, hereinafter, "Shaffer").

Regarding claims 21 and 22, Quinn teaches an electronic notification comprising: searching entirety of directory entries to match an identifier of the electronic notification with a matching entry identifier associated with the directory entry (see col.9, ln.30-56),

matching a field heading associated with the data structure of the directory entry with a category heading of the electronic notification (see col.8, ln.1-45), and

updating one or more entry content values with the altered value, wherein the entry content values correspond to a field associated with the matching entry identifier and field heading of the directory entry (col.5, ln.41-58).

It should be noticed that Quinn fails to clearly teach a receiving the electronic notification indicating that at least a portion of the directory entry has changed to an altered value. However, Shaffer teaches such features (see col.1, ln.39-65) for a purpose of updating the information in the telephone directory.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate the use of the electronic notification

indicating that at least a portion of the directory entry has changed to an altered value, as taught by Shaffer, into view of Quinn in order to automatically store and update the record of the telephone directory.

### **Conclusion**

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. In order to expedite the prosecution of this application, the applicants are also requested to consider the following references. Although Pines et al. (Pub. No: U.S. 2003/0007625), Liming (Pub. No: U.S. 2002/0055924), and Reisman (U.S. Patent No. 6,594,692) are not applied into this Office Action, they are also called to Applicants attention. They may be used in future Office Action(s). These references are also concerned for supporting the method and apparatus for automatic address updating of outgoing and incoming user messages and automatically update telephone directory information.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Tuan A. Pham** whose telephone number is (703) 305-4987 and E-mail address is: **tuan.pham@USPTO.GOV**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Curtis Kuntz, can be reached on (703) 305-4708 and

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Art Unit: 2643

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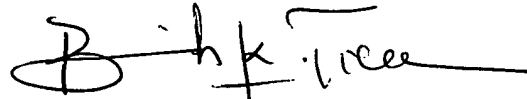
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Art Unit 2643

Date: February 29, 2004

Examiner

Tuan Pham

A handwritten signature in black ink, appearing to read "Binh Tieu", with a stylized flourish at the end.

**BINH TIEU**  
**PRIMARY EXAMINER**